

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,937,421 B2
APPLICATION NO. : 10/042132
DATED : August 30, 2005
INVENTOR(S) : Rubin et al.

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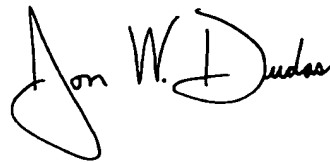
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

The title page showing the illustrative figure should be deleted to be replaced with the attached title page.

The drawing sheets, consisting of Figs. 1-7, should be deleted to be replaced with the drawing sheets, consisting of Figs. 1-7, as shown on the attached page.

Signed and Sealed this

Fifth Day of August, 2008

A handwritten signature in black ink, appearing to read "Jon W. Dudas". The signature is stylized with a large, looping initial "J" and a distinct "D".

JON W. DUDAS
Director of the United States Patent and Trademark Office

(12) **United States Patent**
Rubin et al.

(10) Patent No.: **US 6,937,421 B2**
(45) Date of Patent: **Aug. 30, 2005**

(54) **PATTERNED MEDIA HAVING OFFSET TRACKS**

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(73) Assignee: **International Business Machines Corporation, Armonk, NY (US)**

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 340 days.

(21) Appl. No.: **10/042,132**

(22) Filed: **Jan. 11, 2002**

(65) **Prior Publication Data**

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(51) Int. Cl.⁷ **G11B 5/58**

(52) U.S. Cl. **360/77.01; 360/77.02; 360/77.03; 360/48; 360/75; 360/76**

(54) Field of Search **360/77.01-77.02, 360/77.07, 77.11, 77.12, 77.03, 75-76, 48, 55, 59, 135, 131, 134, 78.04, 81, 77.14, 78.14; 369/13.56, 44.11, 47.1, 44.26, 53.34**

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Primary Examiner—David Hudspeth

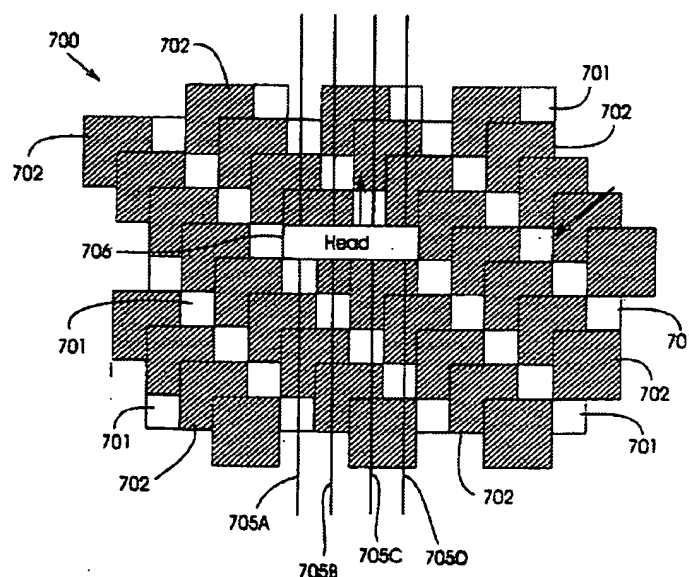
Assistant Examiner—Natalia Figueroa

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(57) **ABSTRACT**

An information recording system includes a storage medium, such as a magnetic or an optical medium, that is formed to have a plurality of adjacent tracks. Each track includes a plurality of storage elements that are arranged substantially along the track in a regular manner. A head disposed in proximity to the storage medium and has a width that spans at least two adjacent tracks. The storage elements are further arranged substantially along first and second axes, such that the first and second axes are substantially perpendicular to each other and are each substantially oriented 45° from an along-track direction associated with a track. The head reads and/or writes information from at least two adjacent tracks spanned by the head.

24 Claims, 5 Drawing Sheets



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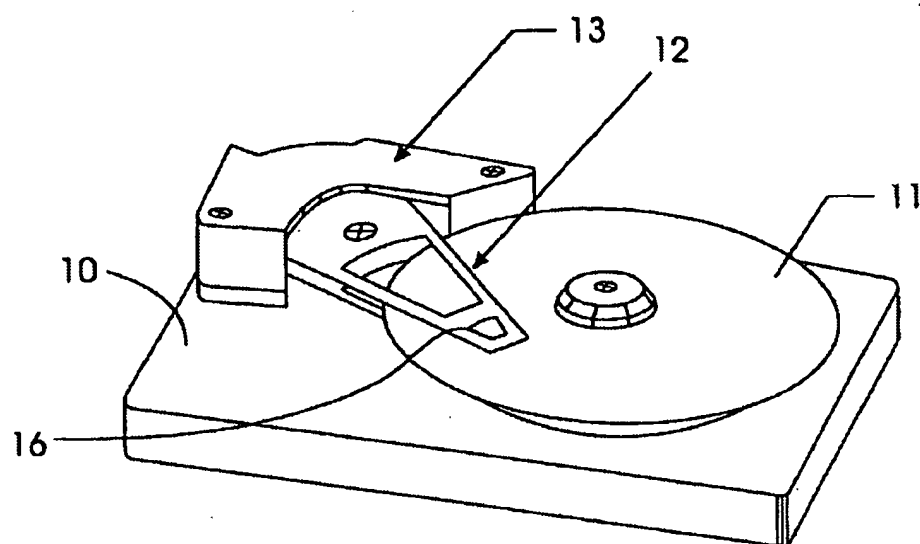


FIG. 1

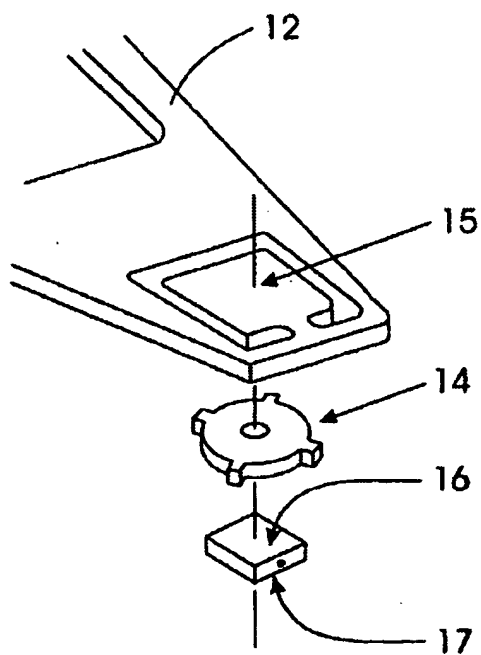


FIG. 2

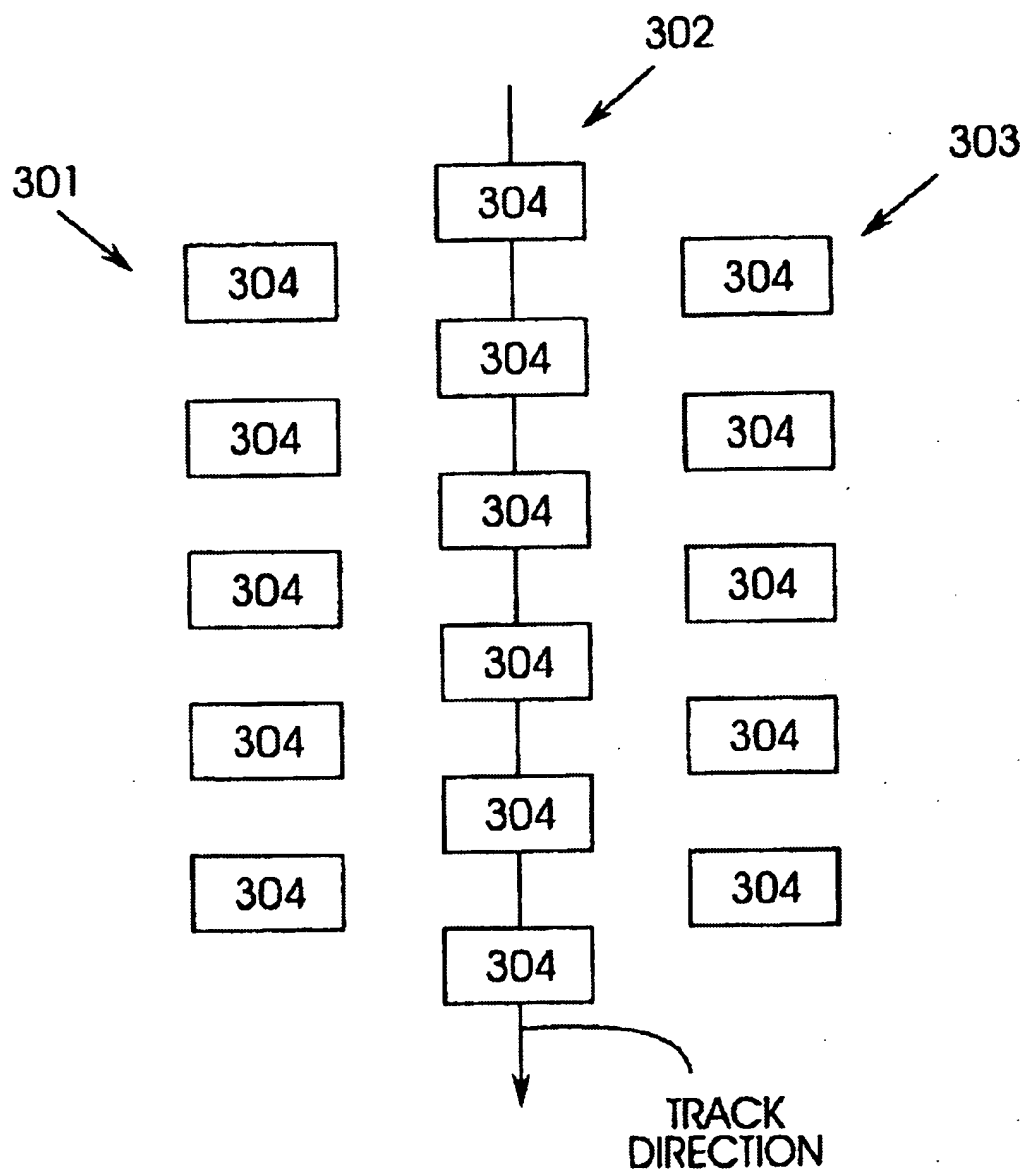


FIG. 3

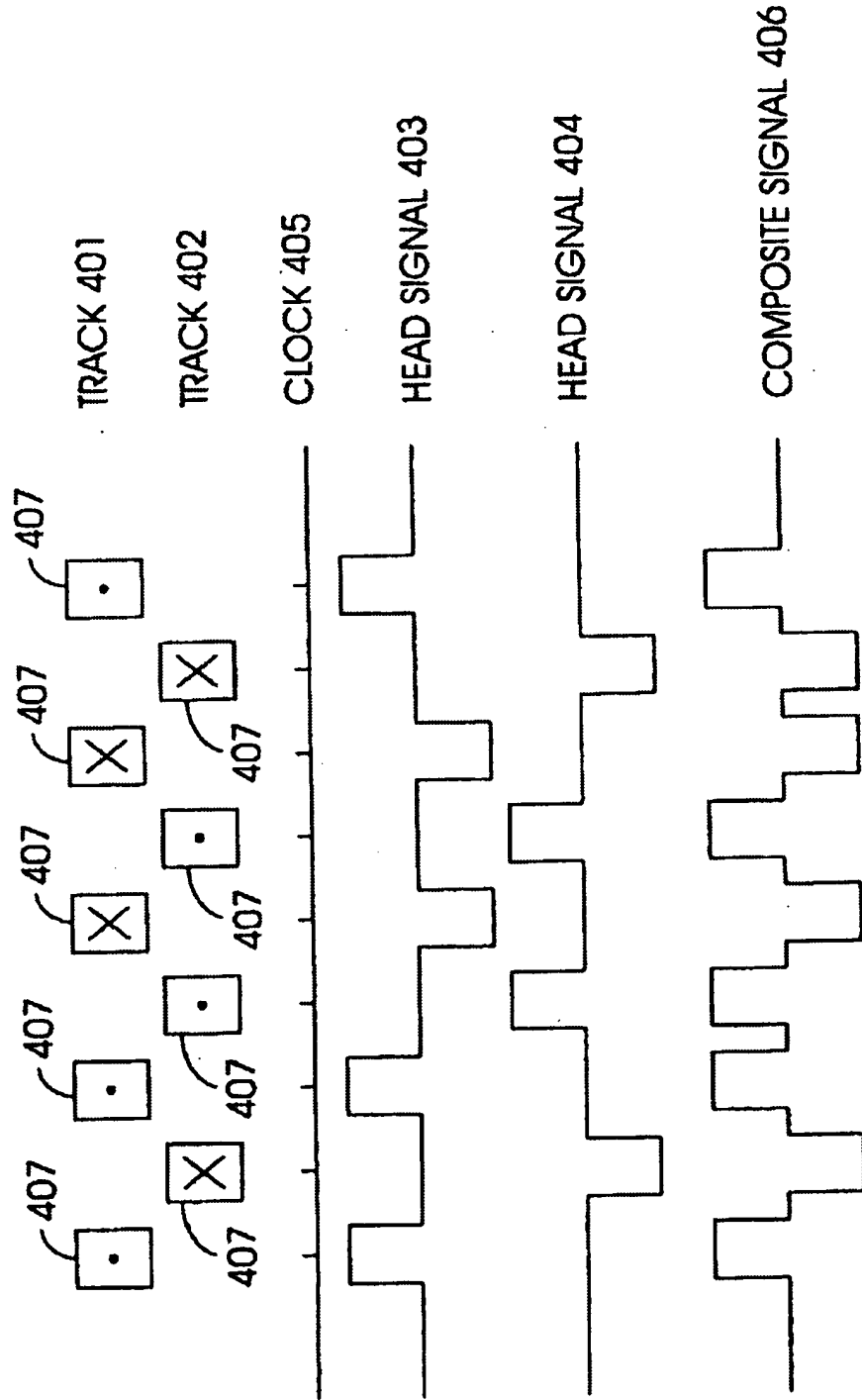


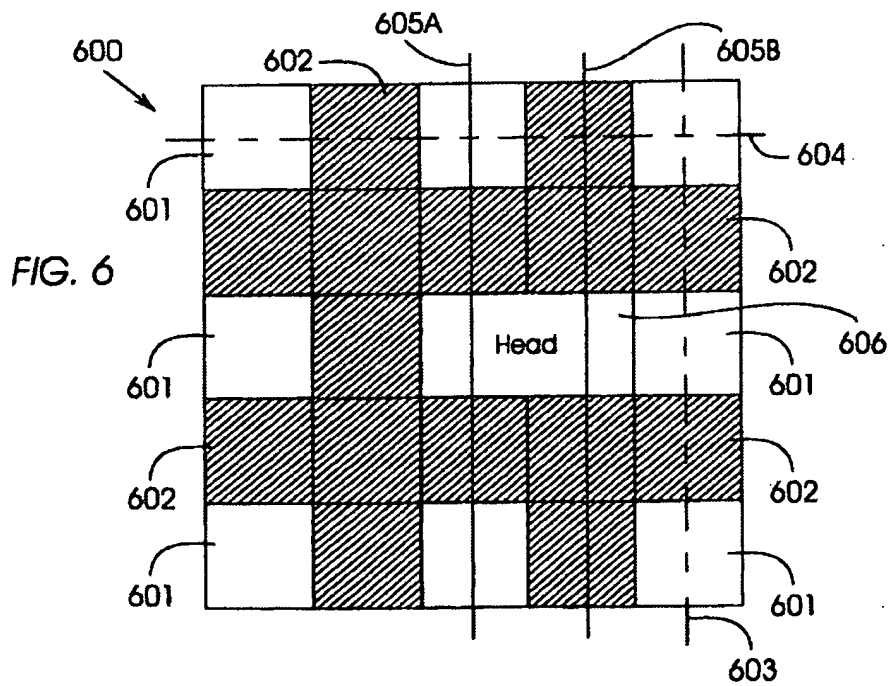
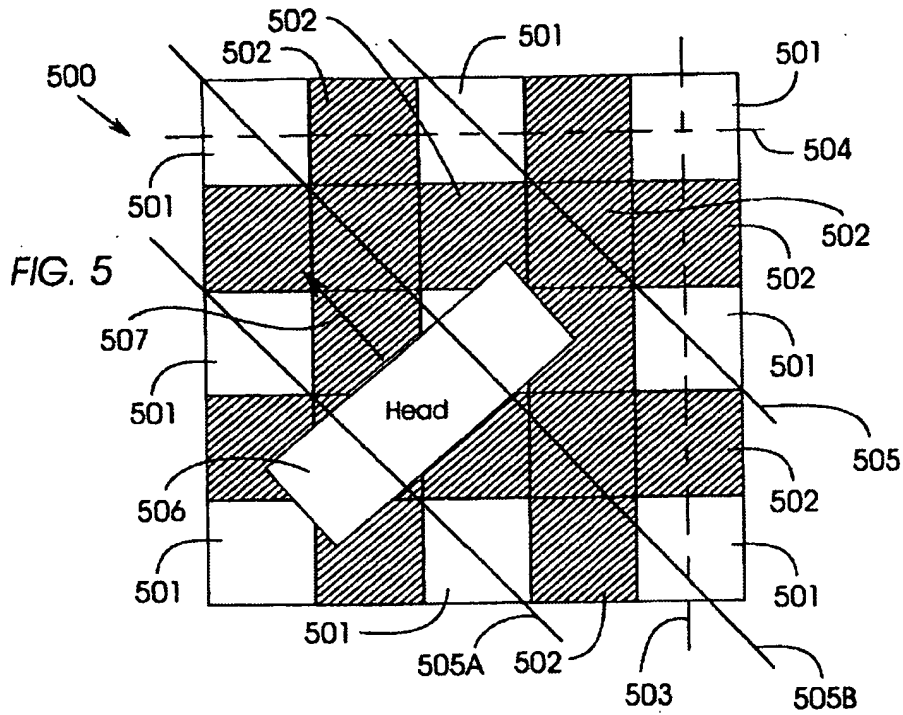
FIG. 4

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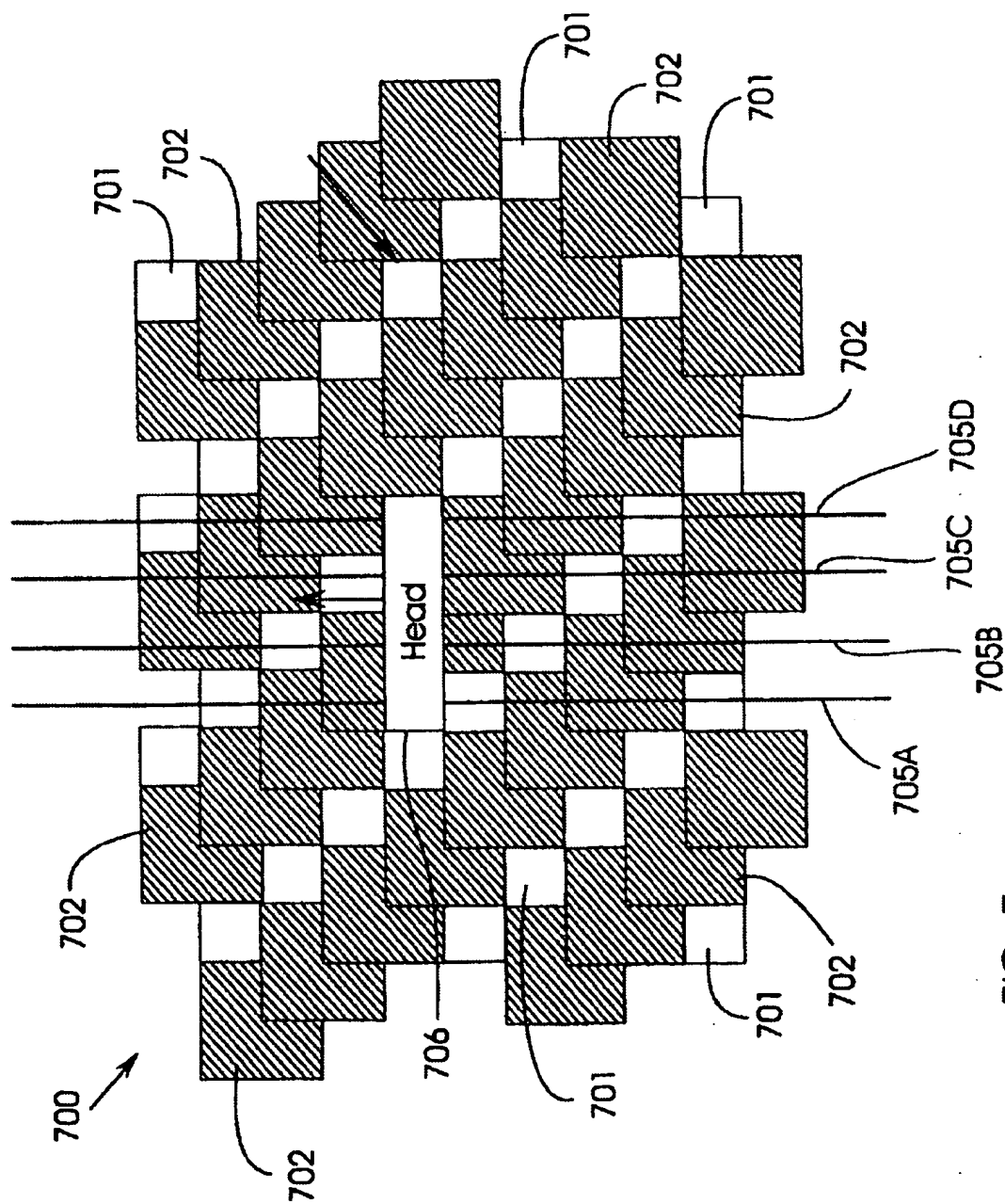


FIG. 7